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borate ester saccharide

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Boron acids as protective agents and catalysts in synthesis

PJ Duggan, EM Tyndall - Journal of the Chemical Society, Perkin Transactions 1, 2002 - rsc.org

 ... allowed the synthesis of the tri-**saccharide** (70) in ... likely occurs via a dimeric **ester** formed between ... macrocycle, most likely as trimethyl **borate**, by reaction ...

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Biosynthesis of sulfated saccharides N-glycosidically linked to the protein via glucose. ... - [jbc.org](#) [PDF]

J Lechner, F Wieland, M Sumper - Journal of Biological Chemistry, 1985 - ASBMB

 ... layer electrophoresis in sodium **borate**, mainly according ... analysis of an asparaginy **saccharide** after permethylation ... of the resulting uronic methyl **esters** with Na ...

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Effect of boron and calcium on growth and nitrogen fixation of the blue-green alga Calothrix ...

F El-Zahraa, T Zaki - Folia Microbiologica, 1999 - Springer

 ... cient cells led to a partial recovery of growth, **saccharide**, chlorophyll a ... may be other mechanisms that are influenced simultaneously by **borate ester** formation ...

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Dynamic Covalent Chemistry

SJ Rowan, SJ Cantrill, GRL Cousins, JKM Sanders, ... - Angewandte Chemie International Edition, 2002 - doi.wiley.com

 ... [10] Other examples [3] of potentially dynamic covalent functionalities include acetals, borazaaromatic anhydrides, **borate esters**, disulfides, hydra- ...

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Process for making alkyl polyglycosides

PM McCurry Jr, JR Varvil, CE Pickens - US Patent 5,512,666, 1996 - freepatentsonline.com

 ... levulinic acids (solvolysis products of the well-documented **saccharide** dehydration product ... depending upon the composition and weight of the **borate ester** to be ...

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Capillary electrophoresis: a superior miniaturized tool for analysis of the mono-, di-, and ...

F Lamari, M Mitsopoulou, X Gioldassi, NK ... - Fresenius' Journal of Analytical Chemistry, 2001 - Springer

 ... of HPCE to the determination of mono- **saccharide** composition are ... were derivatized with 4-aminobenzoic ethyl **ester** and were ... in 438 mmol L⁻¹ **borate** buffer, pH ...

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Boronolectins and Fluorescent Boronolectins: An Examination of the Detailed Chemistry Issues ...

J Yan, H Fang, B Wang - MEDICINAL RESEARCH REVIEWS, 2005 - doi.wiley.com

 ... The association constant was obtained for several sugar-boronic **ester** complexes. ... presumably because the immobilization of two porphyrins by a **saccharide** bridge ...

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Delayed **borate** crosslinked fracturing fluid having increased temperature range
EB Nelson, VG Constien, KE Cawiezel - US Patent 5,658,861, 1997 - [freepatentsonline.com](#)
... and polysaccharides and acid, acid salt, **ester** and amine derivatives of such
saccharides and polysaccharides and an encapsulated **borate** crosslinking agent. ...
[Cited by 9](#) - [Related articles](#) - [Web Search](#) - [All 7 versions](#)

... oxidative degradation of mono-and di-saccharides by hydrogen peroxide using **borate** as catalyst and ...
R van den Berg, JA Peters, H van Bekkum - Carbohydrate Research, 1995 - Elsevier
... 2). Recently, we determined the structure and (local) stability constants of the
borate esters of several mono- and di-**saccharides** by ¹¹B and ¹³C NMR [16]. ...
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... as 1-phenyl-3-methyl-5-pyrazolone derivatives by ligand-exchange CE using **borate** anion as a central ...
S Kodama, S Aizawa, A Taga, T Yamashita, A ... - Electrophoresis, 2006 - [doi.wiley.com](#)
... obtained for the diastereomers of the six PMP-mono- **saccharide** ternary complexes ...
It is expected from the calculations that the **borate esters** are formed with ...
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Key authors: [M Kobayashi](#) - [T Matoh](#) - [A Fleischer](#) - [R Ehwald](#) - [M O'Neill](#)



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